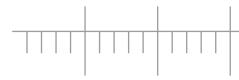




The Evaluation System for Active Vehicle Safety **XZero**



Efficient Testing of Active Safety Functions



Driver assistance systems (ADAS) are an integral part of modern safety concepts and play a key role in vehicle development. Alongside statutory requirements, the safety standards of leading consumer protection organizations such as Euro NCAP also point the way forward. Tests conducted under real-world conditions are essential for the development and vali-

ation of the systems. Driving scenarios are replicated on the test track, and predefined maneuvers are executed with the help of automated, synchronized targets. The data from the vehicle bus is captured together with signals from additional measurement systems. The process for evaluating the tests based on the acquired data must be as fast and reliable as possible.

You can document individual tests in reports and compare entire test series. Numerous formats are available for issuing reports.



The Solution: X-Zero

X-Zero allows you to view and evaluate the test directly in the vehicle. It also offers a wide range of options for subsequent analysis.



brake request
Impact

Euro NCAP Assessment	
Max. Points	2.000
Points	2.000
Rel. Points	100.0

For Standard Tests and Unique Scenarios

X-Zero includes evaluations for established tests, such as those specified by Euro NCAP. In addition, the highly flexible system also supports the integration of custom evaluation macros. You receive informative and reliable results at the push of a button.

Measurement data, parameters and evaluation are clearly presented in the results report.



Intuitive User Guidance

1. Load data
2. Select test
3. Start evaluation



Keep Up With X-Zero

Statutory regulations and, in particular, the guidelines of consumer protection organizations are developing rapidly and imposing ever stricter safety requirements. Assistance systems must demonstrate their functionality under consistently new conditions to obtain the desired safety rating. The rapid pace of change in international standards poses great challenges in automotive development.

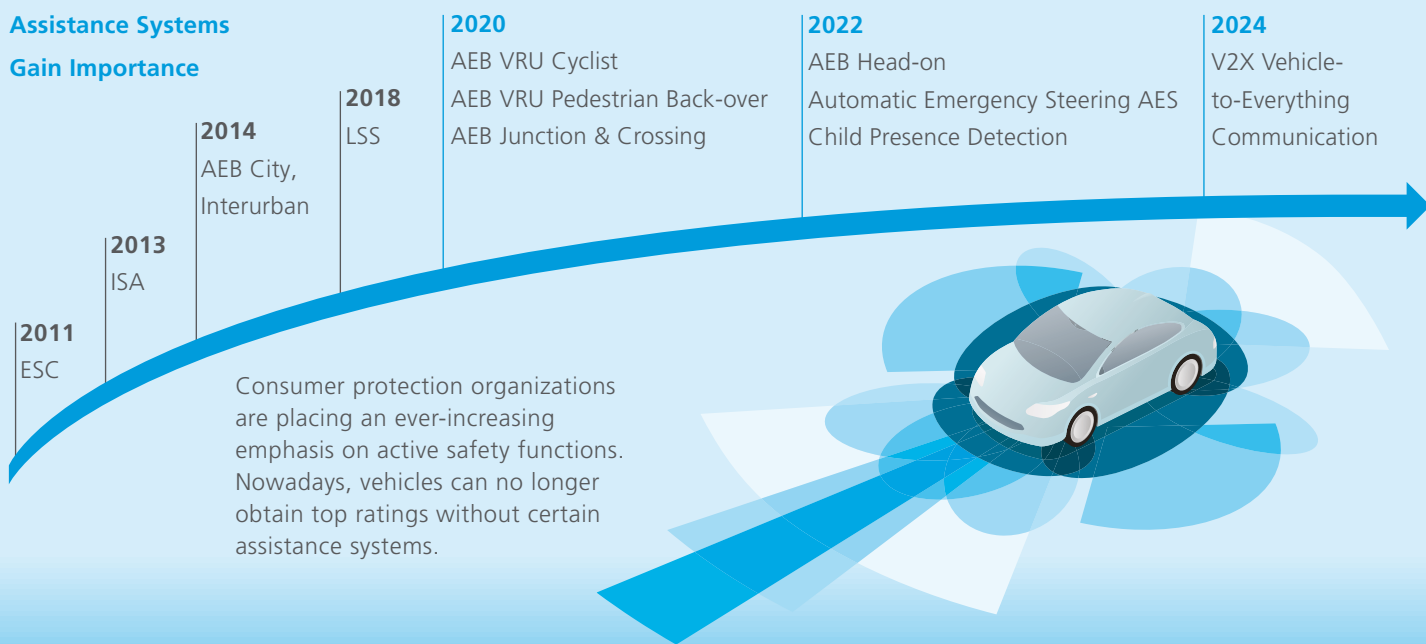
Success depends largely on proactively incorporating tomorrow's test criteria into today's development.

XZero

More Reliable Evaluations and Cost Savings Thanks to:

- x Automated evaluation according to international standards, such as Euro NCAP
- x Broad spectrum of integrated tests (AEB, FCW, LSS)
- x Regular addition of new test protocols
- x Continuous updates to existing evaluations (keeping pace with legislation)
- x Test evaluation directly in the vehicle
- x Partner with top expertise
- x Large community of users, long-term support

Assistance Systems Gain Importance



The evaluation software X-Zero helps you stay in control. Automated evaluations according to specified standards accelerate the testing and validation of active safety systems.





Your Partner in Vehicle Safety

X-Zero is built on the decades of experience measX has accumulated in the areas of measurement data analysis and vehicle safety. Since the mid-1990s, we have been developing software to help make vehicles and road traffic safer.

One important milestone is X-Crash, which was developed specifically for the analysis of crash tests. Based on NI DIAdem, this software is now the world's leading evaluation system for passive vehicle safety and the declared standard of Euro NCAP. X-Zero is a software variant aimed at active safety.

XCrash

Automated and interactive evaluation of tests for passive safety

XCrash ATD


Calibration and certification of crash test dummies

XZero

Automated evaluation of active vehicle safety tests (ADAS)

MOSES

Planning, execution and evaluation of driving tests, especially for testing vehicle dynamics



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